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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/649,035	08/27/2003	Larry Kirn	JAM-03002/29	5122	
7590 11/18/2004			EXAMINER		
John G. Posa Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C.			NGUYEN, KHANH V		
			ART UNIT	PAPER NUMBER	
	odward Ave., Suite 400	•	2817		
Birmingham, N	ИІ 48009-5394		DATE MAILED: 11/18/200-	DATE MAILED: 11/18/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/649,035	KIRN, LARRY	
Office Action Summary	Examiner	Art Unit	_
	Khanh V. Nguyen	2817	
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet with a	he correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply ly within the statutory minimum of thirty (3 will apply and will expire SIX (6) MONTHS e, cause the application to become ABANI	be timely filed O) days will be considered timely. From the mailing date of this communication. DONED (35 U.S.C. § 133).	
Status		•	
 1) ⊠ Responsive to communication(s) filed on 27 A 2a) ☐ This action is FINAL. 2b) ⊠ This 3) ☐ Since this application is in condition for alloware closed in accordance with the practice under A 	s action is non-final. Ince except for formal matters	•	
Disposition of Claims		-96-	
4) ☐ Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-5 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examina 10)☑ The drawing(s) filed on 27 August 2003 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the E	a) accepted or b) object drawing(s) be held in abeyance ction is required if the drawing(s)	See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in App prity documents have been re nu (PCT Rule 17.2(a)).	ication No ceived in this National Stage	
Attachment(s) Notice of References Cited (PTO-892)	4) 🗀 Internitorio (2000)	man/DTO 442\	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 8/27/03. 		mary (P10-413) lail Date mal Patent Application (PTO-152)	

DETAILED ACTION

Drawings

New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the current draw is unreadable. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The "effective references" are not clearly defined in the specification.

It is unclear which "circuitry" having the claimed function are intended.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Art Unit: 2817

Claims rejected under 35 U.S.C. 102(b) as being anticipated by Muri et al. (5,438,694).

Muri et al. (Fig. 1) disclose a pulse-width modulated circuit comprising: a voltage divider (104, 106) and supply (Vdd) which can be read as effective references; and load (136/132) between nodes (138, 140) and elements connected to each nodes (138, 140) can be read as a circuitry for summing, wherein drivers (116, 148) control switches (118, 128, 144, 146). Regarding claim 2, the supply (Vdd) and voltage divider (104, 106) are independent.

Allowable Subject Matter

Claims 3-5 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Claims 3-5 call for, among others, a data separator, and circuitries for modulating first and second references.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional reference (Kirn (6,535,058)) shows further analogous prior art circuitry.

This art is deemed relevant and should be carefully reviews before any amendment is filed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh V. Nguyen whose telephone number is (571) 272-1767. The examiner can normally be reached from 8:00 AM - 3:30 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571) 272-1769. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KHANH V. NGUYEN PRIMARY EXAMINER

Khanklandguye